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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/862,448 | 05/23/2001 | Satoshi Iwata | 1075.1167 | 8881 |
| 21171 | 7590 | 06/06/2006 | EXAMINER | |
| STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005 | | | CAMPBELL, JOSHUA D | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2178 | |

DATE MAILED: 06/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | | |
|------------------------------|------------------------|--|---------------------|--|
| Office Action Summary | Application No. | | Applicant(s) | |
| | 09/862,448 | | IWATA ET AL. | |
| | Examiner | | Art Unit | |
| | Joshua D. Campbell | | 2178 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 March 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-13 and 16-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-13 and 16-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: Amendment filed on 3/21/2006.
2. Claims 1, 4-13, and 16-20 are pending in this case. Claims 1 and 13 are independent claims. Claims 1 and 13 have been amended. Claims 2, 3, 14, and 15 have been cancelled.
3. The rejection of claims 1 and 13 under 35 U.S.C. 102(b) as being anticipated by Endo et al. (hereinafter Endo, US Patent Number 5,801,713, issued on September 1, 1998) is withdrawn as necessitated by the amendment.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
5. Claims 1, 10, and 13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
6. The phrase "...reading modes which are expected to be desired by a user," in claims 1 and 13 render the claims indefinite. The phrase "...reading modes which are expected to be desired by a user," is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree of how to measure the desire of a reader, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. Human perception as it is used in the claims, "...reading modes

which are expected to be desired by a user,” is completely indefinite and provides no degree to which the claims are to be held. A proper correction is necessary to overcome this rejection.

7. Claim 10 recites the limitation "said speed" in line 2. There is insufficient antecedent basis for this limitation in the claim. Proper correction is required.

Claim Objections

8. Claims 4 and 16 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim.

Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. The lines "...a cursory reading display mode in which title and emphasized parts, of the document contents in each page, are extracted to display..." (lines 20-21 of claim 1 and lines 16-17 of claim 13) effectively recites a more detailed version of the limitations presented in claims 4 and 16. Thus, the claims provide no additional limitations and do not further limit the claims. Proper correction is required.

Claim Rejections - 35 USC § 103

9. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

10. Claims 1, 4-13, and 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Endo et al. (hereinafter Endo, US Patent Number 5,801,713, issued on September 1, 1998) as applied to claims 1 and 13 above, and further in view of Palmer et al. (hereinafter Palmer, US Patent Number 6,002,798, issued on December 14, 1999).

Regarding independent claim 1, Endo discloses a method in which a document made up of pages is displayed to user to be read (column 4, lines 6-47 of Endo). Endo discloses that a user may control the display state of the displaying section (column 4, lines 6-47 of Endo). Endo also discloses a method in which each page may displayed as a whole or an automatic paging sequence that may be set to different speeds will automatically scroll the pages in succession based a display speed (column 2, line 42-column 3, line 50 of Endo). Endo discloses the ability for the user to select from the basic read mode and a plurality of automatic paging modes, this control ultimately controlling what is displayed and how it is controlled (column 3, line 29-column 4, line 63 of Endo). Endo discloses a method in which the document may be scrolled in at least two modes; A1 (cursory mode) which would allow for a user to read the page and view the outlines and A2 (general view mode) which is faster and would simply allow the user to get a good look at the page as a whole (Figures 3 and 4 and column 5, lines 15-25 of Endo).

Endo does not disclose a method in which only the titles and emphasized parts, which could be detected according to a predetermined condition such as font type and size, or only a layout-display are displayed from each page of the document during the

viewing of the document. However, Palmer discloses a method in which a document display program will only extract and display the title of documents and a document element according to font type or size or the layout (structure) of documents based on the users preferences (Figure 6 and column 6, line 37-column 8, line 63 of Palmer). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Endo with the methods of Palmer because it would have allowed for rapid browsing of documents.

Regarding dependent claims 4-7, Endo does not disclose a method in which only the title, a layout-display, document element according to a predetermined condition such as font type and size, and that only an image would be extracted from each page of the document for display. However, Palmer discloses a method in which a document display program will only extract and display the title of documents, the layout of documents, a document element according to font type or size, or an image contained in documents based on the users preferences (Figure 6 and column 6, line 37-column 8, line 63 of Palmer). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Endo with the methods of Palmer because it would have allowed for rapid browsing of documents.

Regarding dependent claim 8, Endo does not disclose a method in which a page is displayed schematically by changing the display resolution. However, Palmer discloses a method in which changing the display resolution allows for more rapid viewing of a document with loss of quality, allowing a user to view the document as a schematic rather than a highest quality (column 1, line 30-column 2, line 54 of Palmer).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Endo with the methods of Palmer because it would have allowed for rapid browsing of documents.

Regarding dependent claims 9 and 10, Endo discloses a method in which the speed at which the pages are scrolled may be set in each mode (column 3, line 29-column 4, line 63 of Endo). Endo does not disclose that each display method is established in each mode. However, Palmer discloses a method in which each display method may be individually established for the document viewing process (column 6, line 37-column 8, line 63 of Palmer). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Endo with the methods of Palmer because it would have allowed for rapid browsing of documents.

Regarding dependent claims 11 and 12, Endo discloses a method in which in which different modes may be selected and the paging display mode is based on the selections (column 3, line 29-column 4, line 63 of Endo). Endo does not disclose that the selection process consists of switches. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the method of Endo with a method of using switches because it was well known in the art at the time of the invention that a selection process as disclosed by Endo consists of a set of logic that is determined based on selections which could be thought of as virtual switches.

Regarding independent claim 13, the claim incorporates substantially similar subject matter as claim 1. Thus, the claim is rejected along the same rationale as claim 1.

Regarding dependent claims 16-20, the claims incorporate substantially similar subject matter as claims 4-8. Thus, the claims are rejected along the same rationale as claims 4-8.

Response to Arguments

11. Applicant's arguments with respect to claims 1, 4-13, and 16-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

12. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of


the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua D. Campbell whose telephone number is (571) 272-4133. The examiner can normally be reached on M-F (7:30 AM - 4:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JDC
May 25, 2006



STEPHEN HONG
SUPERVISORY PATENT EXAMINER